

## Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID: SSPTATDH1621

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 DEC 01 ChemPort single article sales feature unavailable  
NEWS 3 APR 03 CAS coverage of exemplified prophetic substances enhanced  
NEWS 4 APR 07 STN is raising the limits on saved answers  
NEWS 5 APR 24 CA/Cplus now has more comprehensive patent assignee information  
NEWS 6 APR 26 USPATFULL and USPAT2 enhanced with patent assignment/reassignment information  
NEWS 7 APR 28 CAS patent authority coverage expanded  
NEWS 8 APR 28 ENCOMPPLIT/ENCOMPPLIT2 search fields enhanced  
NEWS 9 APR 28 Limits doubled for structure searching in CAS REGISTRY  
NEWS 10 MAY 08 STN Express, Version 8.4, now available  
NEWS 11 MAY 11 STN on the Web enhanced  
NEWS 12 MAY 11 BEILSTEIN substance information now available on STN Easy  
NEWS 13 MAY 14 DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format  
NEWS 14 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal status data  
NEWS 15 MAY 28 CAS databases on STN enhanced with NANO super role records back to 1992  
NEWS 16 JUN 01 CAS REGISTRY Source of Registration (SR) searching enhanced on STN

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS      STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN      Welcome Banner and News Items

NEWS HOURS      STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN      Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*  
FILE 'HOME' ENTERED AT 16:20:37 ON 24 JUN 2009

```
=> FILE CAPLUXS  
'CAPLUXS' IS NOT A VALID FILE NAME  
SESSION CONTINUES IN FILE 'HOME'  
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files  
that are available. If you have requested multiple files, you can  
specify a corrected file name or you can enter "IGNORE" to continue  
accessing the remaining file names entered.
```

=> FILE REG  
COST IN U.S. DOLLARS  
SINCE FILE ENTRY SESSION TOTAL  
FNU, ESTIMATED COST 0.22 0.22

FILE 'REGISTRY' ENTERED AT 16:20:51 ON 24 JUN 2009  
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STRUCTURE FILE UPDATES: 23 JUN 2009 HIGHEST RN 1159631-40-9  
DICTIONARY FILE UPDATES: 23 JUN 2009 HIGHEST RN 1159631-40-9

New CAS Information Use Policies; enter HELP USAGETERMS for details.

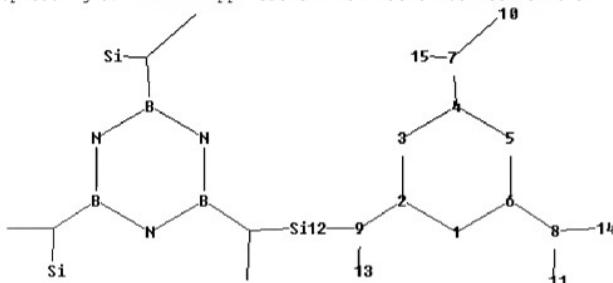
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=> Uploading C:\YTDH\_PTA\VAApplication\_Examination\Series 10x10 544211\STN\STN\_062309AA.str



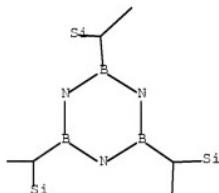
chain nodes :

```
ring nodes :
1 2 3 4 5 6
chain bonds :
2-9 4-7 6-8 7-10 7-15 8-11 8-14 9-12 9-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact bonds :
2-9 4-7 6-8 7-10 7-15 8-11 8-14 9-12 9-13
```

```
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
```

```
L1      STRUCTURE UPLOADED
```

```
=> D
L1 HAS NO ANSWERS
L1          STR
```



```
Structure attributes must be viewed using STN Express query preparation.
```

```
=> S
ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):L1
SAMPLE SEARCH INITIATED 16:21:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      10 TO ITERATE
```

```
100.0% PROCESSED      10 ITERATIONS      1 ANSWERS
SEARCH TIME: 00.00.01
```

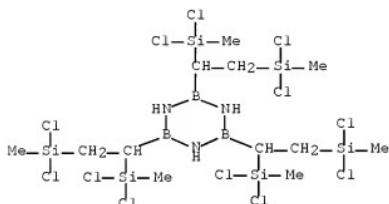
```
FULL FILE PROJECTIONS: ONLINE  **COMPLETE**
BATCH   **COMPLETE**
PROJECTED ITERATIONS:      11 TO      389
PROJECTED ANSWERS:         1 TO       80
```

```
L2      1 SEA SSS SAM L1
```

```
=> D L2
```

```
L2  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2009 ACS on STN
```

RN 852394-73-1 REGISTRY  
ED Entered STN: 16 Jun 2005  
CN Borazine, 2,4,6-tris[1,2-bis(dichloromethylsilyl)ethyl]- (CA INDEX NAME)  
MF C12 H30 B3 Cl12 N3 Si6  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

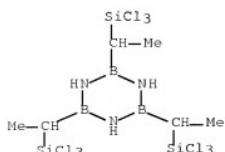
=> S L1 SSS FULL  
FULL SEARCH INITIATED 16:21:41 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 160 TO ITERATE

100.0% PROCESSED 160 ITERATIONS 5 ANSWERS  
SEARCH TIME: 00.00.01

L3 5 SEA SSS FUL L1

=> D L3

L3 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 906352-38-3 REGISTRY  
ED Entered STN: 11 Sep 2006  
CN Borazine, 2,4,6-tris[1-(trichlorosilyl)ethyl]- (CA INDEX NAME)  
MF C6 H15 B3 Cl9 N3 Si3  
SR CA  
LC STN Files: CA, CAPLUS

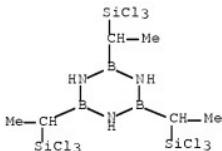


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> D L3 1-5

L3 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 906352-38-3 REGISTRY  
ED Entered STN: 11 Sep 2006  
CN Borazine, 2,4,6-tris[1-(trichlorosilyl)ethyl]- (CA INDEX NAME)  
MF C6 H15 B3 Cl9 N3 Si3  
SR CA  
LC STN Files: CA, CAPLUS



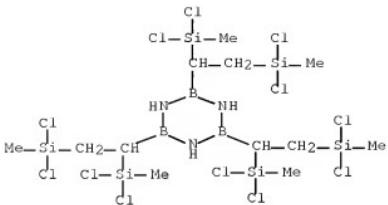
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 852394-77-5 REGISTRY  
ED Entered STN: 16 Jun 2005  
CN Methanamine, polymer with 2,4,6-tris[1,2-bis(dichloromethylsilyl)ethyl]borazine (9CI) (CA INDEX NAME)  
MF (C12 H30 B3 Cl12 N3 Si6 . C H5 N)x  
CI PMS  
PCT Polyether, Polyether only  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 852394-73-1  
CMF C12 H30 B3 Cl12 N3 Si6



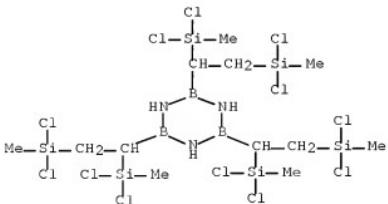
CM 2

CRN 74-89-5  
CMF C H5 N

H<sub>3</sub>C—NH<sub>2</sub>

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

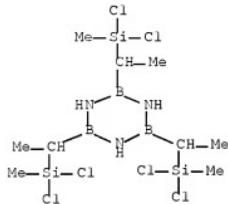
L3 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 852394-73-1 REGISTRY  
ED Entered STN: 16 Jun 2005  
CN Borazine, 2,4,6-tris[1,2-bis(dichloromethylsilyl)ethyl]- (CA INDEX NAME)  
MF C12 H30 B3 Cl12 N3 Si6  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

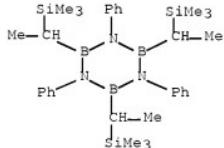
L3 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 269397-23-1 REGISTRY  
 ED Entered STN: 09 Jun 2000  
 CN Borazine, 2,4,6-tris[1-(dichloromethylsilyl)ethyl]- (CA INDEX NAME)  
 MF C9 H24 B3 Cl6 N3 Si3  
 SR CA  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 18876-55-6 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Borazine, 1,3,5-triphenyl-2,4,6-tris[1-(trimethylsilyl)ethyl]- (CA INDEX  
 NAME)  
 MF C33 H54 B3 N3 Si3  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY SESSION  
202.15 202.37

FILE 'REGISTRY' ENTERED AT 16:23:44 ON 24 JUN 2009  
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STRUCTURE FILE UPDATES: 23 JUN 2009 HIGHEST RN 1159631-40-9  
DICTIONARY FILE UPDATES: 23 JUN 2009 HIGHEST RN 1159631-40-9

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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stndoc/properties.html>

=> SET TERMSET E#

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L3 5 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

L4 1 18876-55-6/RN

=> SET TERMSET LOGIN

SET COMMAND COMPLETED

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE ENTRY	FILE SESSION	TOTAL
FULL ESTIMATED COST	0.58		202.95

FILE 'CAPLUS' ENTERED AT 16:23:48 ON 24 JUN 2009  
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FILE COVERS 1907 - 24 Jun 2009 VOL 150 ISS 26

FILE LAST UPDATED: 23 Jun 2009 (20090623/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

Cplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L4

L5 2 L4

=> D L5 1-2 IBIB ABS HITSTR

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1964:60991 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 60:60991

ORIGINAL REFERENCE NO.: 60:10704g-h,10705a

TITLE: Synthesis of B-organofunctional borazine derivatives

AUTHOR(S): Seyferth, Dietmar; Kogler, Hubert P.; Freyer, Walter R.; Takamizawa, Minoru; Yamazaki, Hiroshi; Sato, Yasuhiko

CORPORATE SOURCE: Massachusetts Inst. of Technol., Cambridge

SOURCE: Advances in Chemistry Series (1964), 42, 259-65

CODEN: ADCSAJ; ISSN: 0065-2393

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

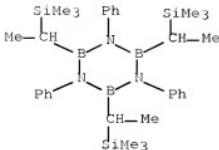
AB B-Tris(trimethylsilylmethyl)-N-trimethylborazine (I) was easily synthesized by the Grignard procedure, and was hydrolytically stable (through sterichindrance). Liquid borazines of the structure (Me<sub>2</sub>SiRCH<sub>2</sub>BNMe)<sub>3</sub> were also prepared. Silicon-substituted borazines also were accessible through the chloroplatinic acid-catalyzed addition of Si-H-containing chlorosilanes and siloxanes to B-trivinyl-N-triphenylborazine. Other addition reactions of this vinylborazine were examined, and pure, crystalline products were obtained with CBrCl<sub>3</sub>, CBr<sub>4</sub>, PhSH, Ph<sub>2</sub>PH, HBr, Ph<sub>3</sub>SnH, and Et<sub>3</sub>SnH. The condensation of silicon-containing dichloroboranes with aniline produced borazines. Borazines containing Si-O-B and Si-B linkages are described.

IT 18876-55-6

(Derived from data in the 7th Collective Formula Index (1962-1966))

RN 18876-55-6 CAPLUS

CN Borazine, 1,3,5-triphenyl-2,4,6-tris[1-(trimethylsilyl)ethyl]- (CA INDEX  
NAME)



LB ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1964:60990 CAPLUS Full-text

DOCUMENT NUMBER: 60:60990

ORIGINAL REFERENCE NO.: 60:10704f-g

TITLE: Reaction of nitric oxide with tributylborane

AUTHOR(S): Inatome, Masahiro; Kuhn, Lester P.

CORPORATE SOURCE: Aberdeen Proving Ground, MD

SOURCE: Advances in Chemistry Series (1964), 42, 183-91

CODEN: ADCSAJ; ISSN: 0065-2393

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

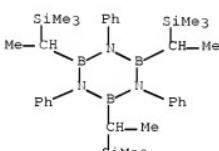
AB NO reacts with Bu<sub>3</sub>B at room temp. to yield 3 major products which are believed to be Bu<sub>2</sub>NOBu<sub>2</sub> (I), Bu<sub>2</sub>BN(OBu)NO, and Bu<sub>2</sub>BNSuOBu<sub>2</sub> (II). Mild hydrolysis of II yields Bu<sub>2</sub>BOH and BuNHOBu<sub>2</sub>, which is a cyclic dimer. A mechanism proposed for the reaction involves the formation of a C-nitroso and a B-nitroso compound which react with Bu<sub>3</sub>B to yield I and II, resp.

IT 18876-55-6

(Derived from data in the 7th Collective Formula Index (1962-1966))

RN 18876-55-6 CAPLUS

CN Borazine, 1,3,5-triphenyl-2,4,6-tris[1-(trimethylsilyl)ethyl]- (CA INDEX NAME)



=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

12.78 215.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL

ENTRY SESSION

CA SUBSCRIBER PRICE

-1.64 -1.64

FILE 'STNGUIDE' ENTERED AT 16:25:43 ON 24 JUN 2009

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 19, 2009 (20090619/UP).

=> FILE STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

0.07 215.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

ENTRY SESSION

CA SUBSCRIBER PRICE

0.00 -1.64

FILE 'STNGUIDE' ENTERED AT 16:26:20 ON 24 JUN 2009

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 19, 2009 (20090619/UP).

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

(FILE 'HOME' ENTERED AT 16:20:37 ON 24 JUN 2009)

FILE 'REGISTRY' ENTERED AT 16:20:51 ON 24 JUN 2009

L1 STRUCTURE uploaded

D

L2 1 SEA FILE=REGISTRY SSS SAM L1

D L2

L3 5 SEA FILE=REGISTRY SSS FUL L1

D L3

D L3 1-5

FILE 'REGISTRY' ENTERED AT 16:23:44 ON 24 JUN 2009

SET TERMSET E#

DEL SEL Y

SEL L3 5 RN

L4 1 SEA FILE=REGISTRY SPE=ON PLU=ON 18876-55-6/RN

SET TERMSET LOGIN

FILE 'CAPLUS' ENTERED AT 16:23:48 ON 24 JUN 2009

L5 2 SEA FILE=CAPLUS SPE=ON PLU=ON L4

D L5 1-2 IBIB ABS HITSTR

FILE 'STNGUIDE' ENTERED AT 16:25:43 ON 24 JUN 2009

FILE 'STNGUIDE' ENTERED AT 16:26:20 ON 24 JUN 2009  
COST IN U.S. DOLLARS SINCE FILE TOTAL

FULL ESTIMATED COST	ENTRY	SESSION	
	1.75	217.55	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	0.00	-1.64	

STN INTERNATIONAL LOGOFF AT 16:41:28 ON 24 JUN 2009